

# INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 25 MAR 2005

International Application No  
PCT/PTO 03/03293

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/315 C12N15/31 C12Q1/68 C12Q1/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS, Sequence Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 420 135 B1 (DOUGHERTY BRIAN A ET AL) 16 July 2002 (2002-07-16) abstract SEQ IDs No.46 and 111 column 23, line 53 - column 24, line 53	1-5, 14, 17, 19
X	WO 02/077021 A (CHIRON SPA ;MASIGNANI VEGA (IT); FRASER CLAIRE (US); TETTELIN HERV) 3 October 2002 (2002-10-03) abstract page 4, line 3 - line 23 page 5, line 23 - line 31 page 33, line 35 - page 34, line 40 SEQ IDs No.4085 and 4984 ----- -/--	1-5, 14, 17, 19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

16 July 2004

Date of mailing of the international search report

23/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Chavanne, F

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/R 03/03293

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6420135	B1	14-03-2002	US	2002032323 A1		14-03-2002
			US	2004029118 A1		12-02-2004
			AU	773895 B2		10-06-2004
			AU	3140701 A		28-06-2001
			AU	5194598 A		22-05-1998
			AU	6909098 A		22-05-1998
			CA	2269663 A1		07-05-1998
			CA	2271720 A1		07-05-1998
			EP	1400592 A1		24-03-2004
			EP	0942983 A2		22-09-1999
			EP	0941335 A2		15-09-1999
			JP	2001505415 T		24-04-2001
			JP	2001501833 T		13-02-2001
			WO	9818930 A2		07-05-1998
			WO	9818931 A2		07-05-1998
			US	6573082 B1		03-06-2003
			US	6159469 A		12-12-2000
<hr/>						
WO 02077021	A	03-10-2002	CA	2439431 A1		03-10-2002
			EP	1373513 A2		02-01-2004
			WO	02077021 A2		03-10-2002